



```

LL      IIIIII  BBBB BBBB  RRRRRRRR  EEEEEEEEEEE  VV      VV  EEEEEEEEEEE  RRRRRRRR  TTTTTTTTTT
LL      IIIIII  BBBB BBBB  RRRRRRRR  EEEEEEEEEEE  VV      VV  EEEEEEEEEEE  RRRRRRRR  TTTTTTTTTT
LL      II      BB      BB  RR      RR  EE      EE  EE      EE  RR      RR  TT
LL      II      BB      BB  RR      RR  EE      EE  EE      EE  RR      RR  TT
LL      II      BB      BB  RR      RR  EE      EE  EE      EE  RR      RR  TT
LL      II      BB      BB  RR      RR  EE      EE  EE      EE  RR      RR  TT
LL      II      BB      BB  RR      RR  EE      EE  EE      EE  RR      RR  TT
LL      II      BB      BB  RR      RR  EE      EE  EE      EE  RR      RR  TT
LL      II      BB      BB  RR      RR  EE      EE  EE      EE  RR      RR  TT
LL      II      BB      BB  RR      RR  EE      EE  EE      EE  RR      RR  TT
LL      II      BB      BB  RR      RR  EE      EE  EE      EE  RR      RR  TT
LLLLLLLLLLLL IIIIII  BBBB BBBB  RRRRRRRR  EEEEEEEEEEE  VV      VV  EEEEEEEEEEE  RRRRRRRR  TTTTTTTTTT
LLLLLLLLLLLL IIIIII  BBBB BBBB  RRRRRRRR  EEEEEEEEEEE  VV      VV  EEEEEEEEEEE  RRRRRRRR  TTTTTTTTTT

```

```

LL      IIIIII  SSSSSSSS
LL      IIIIII  SSSSSSSS
LL      II      SS
LL      II      SS
LL      II      SS
LL      II      SS
LL      II      SSSSSS
LL      II      SSSSSS
LL      II      SS
LL      II      SS
LL      II      SS
LL      II      SS
LLLLLLLLLLLL IIIIII  SSSSSSSS
LLLLLLLLLLLL IIIIII  SSSSSSSS

```

```

1 0001 0 MODULE LIB$REVERT (XTITLE'Revert handler'
2 0002 0 IDENT = '1-002' ! File: LIBREVERT.B32 Edit: SBL1002
3 0003 0 ) =
4 0004 1 BEGIN
5 0005 1
6 0006 1
7 0007 1 *****
8 0008 1 *
9 0009 1 * COPYRIGHT (c) 1978, 1980, 1982, 1984 BY *
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26 0026 1 *
27 0027 1 *
28 0028 1 *****
29 0029 1
30 0030 1
31 0031 1 ++
32 0032 1 FACILITY: Utility Library
33 0033 1
34 0034 1 ABSTRACT:
35 0035 1
36 0036 1 LIB$REVERT deletes the handler associated with
37 0037 1 the procedure activation of the caller. This is done
38 0038 1 by clearing the handler address in the stack frame
39 0039 1 of the caller. The handler address which had been
40 0040 1 associated with the caller is returned as the value.
41 0041 1
42 0042 1 ENVIRONMENT: User mode, re-entrant, AST level or not or mixed.
43 0043 1
44 0044 1 AUTHOR: Thomas N. Hastings CREATION DATE: 8-Oct-77
45 0045 1
46 0046 1 MODIFIED BY:
47 0047 1
48 0048 1 Thomas N. Hastings, 8-Oct-77: VERSION 0
49 0049 1 01 - original
50 0050 1 0-2 - Added SF$ symbols. TNH 8-Oct-77
51 0051 1 0-3 - Declare PSECTs. TNH 19-Dec-77.
52 0052 1 0-04 - Change to STARLET library. DGP 20-Apr-78
53 0053 1 0-05 - Change REQUIRE files for VAX system build. DGP 28-Apr-78
54 0054 1 0-06 - Change STARLET to RTLSTARLE to avoid conflicts. DGP 1-May-78
55 0055 1 0-07 - Change file name to LIBREVERT.B32, and change the name of
56 0056 1 the REQUIRE file similarly. JBS 14-NOV-78
57 0057 1 1-001 - Update version number and copyright notice. JBS 16-NOV-78

```



LIB\$REVERT  
1-002

Revert handler

C 10  
16-Sep-1984 01:12:34  
14-Sep-1984 12:39:21

VAX-11 Bliss-32 V4.0-742  
[LIBRTL.SRC]LIBREVERT.B32;1

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(1)

: 58  
: 59

0058 1 ! 1-002 - Use prologue file. SBL 24-June-1983  
0059 1 !--

LIB\$REVERT  
1-002

Revert handler

D 10  
16-Sep-1984 01:12:34  
14-Sep-1984 12:39:21

VAX-11 Bliss-32 V4.0-742  
[LIBRTL.SRC]LIBREVERT.B32;1

Page 3  
(2)

```
61 0060 1 |
62 0061 1 | PROLOGUE FILE:
63 0062 1 |
64 0063 1 |
65 0064 1 REQUIRE 'RTLIN:LIBPROLOG';      ! LIB$ definitions
66 0135 1 |
67 0136 1 |
68 0137 1 | TABLE OF CONTENTS:
69 0138 1 |
70 0139 1 |
71 0140 1 FORWARD ROUTINE
72 0141 1 |
73 0142 1 LIB$REVERT;                      ! Revert error handler
74 0143 1 |
75 0144 1 |
76 0145 1 | MACROS:
77 0146 1 |
78 0147 1 |
79 0148 1 |
80 0149 1 | EQUATED SYMBOLS:
81 0150 1 |
82 0151 1 |
83 0152 1 |
84 0153 1 | OWN STORAGE:
85 0154 1 |
86 0155 1 |
87 0156 1 |
88 0157 1 | EXTERNAL REFERENCES:
89 0158 1 |
90 0159 1 |
```

```
0160 1 GLOBAL ROUTINE LIB$REVERT
0161 1 = ! Value is old handler
0162 1
0163 1 ++
0164 1 FUNCTIONAL DESCRIPTION:
0165 1
0166 1     LIB$REVERT deletes the handler associated with
0167 1     the procedure activation of the caller. This is done
0168 1     by clearing the handler address in the stack frame
0169 1     of the caller. The handler address which had been
0170 1     associated with the caller is returned as the value.
0171 1
0172 1 FORMAL PARAMETERS:
0173 1
0174 1     None
0175 1
0176 1 IMPLICIT INPUTS:
0177 1
0178 1     NONE
0179 1
0180 1 IMPLICIT OUTPUTS:
0181 1
0182 1     NONE
0183 1
0184 1 ROUTINE VALUE:
0185 1
0186 1     OLD_HANDLER.wa.v           previous contents of SF$A_HANDLER
0187 1                                of the callers frame.
0188 1
0189 1 COMPLETION CODES:
0190 1
0191 1     NONE
0192 1
0193 1 SIDE EFFECTS:
0194 1
0195 1     The callers stack frame will be modified.
0196 1
0197 1 --
0198 1
0199 2 BEGIN
0200 2
0201 2 LOCAL
0202 2     OLD_HANDLER;           ! store the old handler address
0203 2 BUILTIN
0204 2     FP;
0205 2 MAP
0206 2     FP: REF BLOCK[ BYTE];
0207 2     OLD_HANDLER = ..FP[SF$SL_SAVE_FP];
0208 2     .FP[SF$SL_SAVE_FP] = 0;
0209 2 RETURN .OLD_HANDLER;
0210 1 END;           !End of LIB$REVERT
```

```
.TITLE LIB$REVERT Revert handler
.IDENT \1-002\
```

LIB\$REVERT  
1-002

Revert handler

F 10  
16-Sep-1984 01:12:34  
14-Sep-1984 12:39:21

VAX-11 Bliss-32 V4.0-742  
[LIBRTL.SRC]LIBREVERT.B32;1

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50      OC   BE   0000 00000  
         OC   BE   D0 00002  
              BE   D4 00006  
                   04 00009

.PSECT \_LIB\$CODE,NOWRT, SHR, PIC,2

.ENTRY LIB\$REVERT, Save nothing  
MOVL @12(FP), OLD\_HANDLER  
CLRL @12(FP)  
RET

: 0160  
: 0207  
: 0208  
: 0210

; Routine Size: 10 bytes,      Routine Base: \_LIB\$CODE + 0000



LIB\$REVERT  
1-002

Revert handler

G 10  
16-Sep-1984 01:12:34  
14-Sep-1984 12:39:21

VAX-11 Bliss-32 V4.0-742  
[LIBRTL.SRC]LIBREVERT.B32;1

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(4)

: 144 0211 1 END  
: 145 0212 0 ELUDOM

!End of module

PSECT SUMMARY

: Name Bytes Attributes  
: \_LIB\$CODE 10 NOVEC,NOWRT, RD , EXE, SHR, LCL, REL, CON, PIC,ALIGN(2)

Library Statistics

File	----- Total	Symbols Loaded	----- Percent	Pages Mapped	Processing Time
_\$255\$DUA28:[SYSLIB]STARLET.L32;1	9776	1	0	581	00:00.8
_\$255\$DUA28:[LIBRTL.OBJ]RTL.LIB.L32;1	36	0	0	8	00:00.1

COMMAND QUALIFIERS

: BLISS/CHECK=(FIELD,INITIAL,OPTIMIZE)/NOTRACE/LIS=LIS\$:LIBREVERT/OBJ=OBJ\$:LIBREVERT MSRC\$:LIBREVERT/UPDATE=(ENH\$:LIBREVERT  
: )

: Size: 10 code + 0 data bytes  
: Run Time: 00:02.1  
: Elapsed Time: 00:12.4  
: Lines/CPU Min: 6000  
: Lexemes/CPU-Min: 8405  
: Memory Used: 28 pages  
: Compilation Complete



0209 AH-BT13A-SE  
VAX/VMS V4.0

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LIBPOLY  
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LIS

LIBSIGST  
LIS

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LIS

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LIS

LIBROBU  
LIS

LIBRUNPRO  
LIS

LIBSIGNAL  
LIS

LIBPUTOUT  
LIS

LIBREMO  
LIS

LIBSIGRET  
LIS

LIBSIMTRA  
LIS

LIBPOLYH  
LIS

LIBSCOPY  
LIS

LIBREVERT  
LIS